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## IN THE CLAIMS:

## Please amend the claims as follows:

- 1. (Amended) A metal cord for reinforcing a rubber article comprising:
  - a core formed of one filament; and
- a sheath formed of 1 to 6 filaments arranged around the core, wherein said filament of the core is formed of a waved filament waved in a two-dimensional wave shape having crest portions and trough portions in a repeated manner, in a state before being bundled, and is twisted with said sheath while applying the torsion so as to be formed in a three-dimensional wave shape within said metal cord.
- 2. (Amended) The metal cord for reinforcing a rubber article as claimed in claim 1, wherein a diameter d of said core filament is between 0.15 and 0.50 mm and substantially the same as that of the filament of said sheath.



Please add the following claims:

- --3. A metal cord for reinforcing a rubber article comprising:
- a core formed of one filament, wherein said filament has a two-dimensional wave shape with crest portions and trough portions

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in a repeated manner; and

a sheath formed of 1 to 6 filaments arranged around said core; wherein said sheath and said core are in a twisted state and form a three-dimensional wave shape; and

the diameter of said two-dimensional wave shape of the filament of the core is larger than the diameter of the filament of the core itself.

- 4. The metal cord for reinforcing a rubber article as claimed in claim 3, wherein a diameter d of said core filament is between 0.15 and 0.50 mm.
- 5. The metal cord for reinforcing a rubber article as claimed in claim 3, wherein a diameter d of the filament of said sheath is between 0.15 and 0.50 mm.
- 6. The metal cord for reinforcing a rubber article as claimed in claim 3, 4 or 5, wherein a diameter d of said core filament is substantially the same diameter d as that of the filament of said sheath.
- 7. The metal cord for reinforcing a rubber article as claimed in claim 1, wherein the filament of the core in the two-dimensional wave shape is a zigzag shape.



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- 8. The metal cord for reinforcing a rubber article as claimed in claim 1, wherein the filament of the core in the two-dimensional wave shape is a sine wave shape.
- 9. The metal cord for reinforcing a rubber article as claimed in claim 1, wherein the filament of the core in the two-dimensional wave shape has a wave pitch Pw being between 3.0 and 9.0 mm and a wave height h being between 0.20 and 0.80 mm
- 10. The metal cord for reinforcing a rubber article as claimed in claim 1, wherein a torsion pitch Pn at a time of twisting the filament of the core in the two-dimensional wave shape is between 5.0 and 600.0 mm.
- 11. The metal cord for reinforcing a rubber article as claimed in claim 1, wherein a twist pitch Py at a time of twisting the filament of the sheath wave shape is between 5.0 and 30.0 mm.
- 12. The metal cord for reinforcing a rubber article as claimed in claim 1, wherein said torsion pitch Pn of the filament of the core is larger that the twist pitch Py of the filament of the sheath.



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13. A method of producing a metal cord having a core formed of one filament, and a sheath formed of 1 to 6 filaments arranged around the core, comprising the steps of:

forming said filament of the core from a waved filament having a two-dimensional wave shape with crest portions and trough portions in a repeated pattern, in a state before being bundled, and twisting said filament with said sheath while applying torsion such that said filament is formed into a three-dimensional wave shape within the metal cord.

- 14. The method of producing a meal cord as claimed in claim 13, wherein a diameter d of said core filament is between 0.15 and 0.50 mm and substantially the same as that of the filament of said sheath.
- 15. The method of producing a metal cord as claimed in claim 13, wherein the filament of the core in the two-dimensional wave shape is a zigzag shape.
- 16. The method of producing a metal cord as claimed in claim 13, wherein the filament of the core in the two-dimensional wave shape is a sine wave shape.

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- 17. The method of producing a metal cord as claimed in claim 13, wherein the filament of the core in the two-dimensional wave shape has a wave pitch Pw being between 3.0 and 9.0 mm and a wave height h being between 0.20 and 0.80 mm.
- 18. The method of producing a metal cord as claimed in claim 13, wherein a torsion pitch Pn at a time of twisting the filament of the core in the two-dimensional wave shape is between 5.0 and 600.0 mm.
- 19. The method of producing a metal cord as claimed in claim 13, wherein a twist pitch Py at a time of twisting the filament of the sheath wave shape is between 5.0 and 30.0 mm.
- 20. The method of producing a metal cord as claimed in claim 13, wherein said torsion pitch Pn of the filament of the core is larger than the twist pitch Py of the filament of the sheath.--

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